

CLAIMS

1. Powder sampling device comprising: an appended part, generally empty of powders, of a powder flow channel (1); a drawer (4) traversing a wall of the appended part, and sliding between a first position
5 where a groove (5) in it extends into the appended part and a second position where the groove extends beyond the appended part, the groove being limited by faces (7, 8) where the powder slides or falls; and a flap (15) in the flow channel, moving between a withdrawn position
10 where it has no essential effect on the flow of the powders and an extended position where it directs the flow of the powders into the appended part, characterised in that the drawer (4) has an upright orientation (more or less vertical) and that the groove
15 is limited by a ceiling face (7) and an angled face (8) which extend a base plate of the appended part when the drawer is in the first position.

2. Powder sampling device of claim 1, characterised in that: the appended part is a corbelled
20 section (2) of the channel (1) and its base plate (6) is angled towards the channel; the second position is situated below the first position; and the flap rotates, the withdrawn position being more or less vertical and the extended position being angled through the channel,
25 the flap touching the base plate just below the groove (5) in the first position of the drawer (4).

3. Powder sampling device of claim 2, characterised in that the flap is a spout presenting an incurved section extending into a second corbelled
30 section of the channel.